



## The TML Vetnostics Pathologist Team

**TML Vetnostics boasts an exceptional team of dedicated and experienced veterinary pathologists who offer a highly personalised service.**

Our team includes two American (ACVP) boarded anatomic pathologists and two American (ACVP) boarded clinical pathologists with collective credentials and expertise unrivalled by other veterinary pathology laboratories. Our pathologists and specialist medical consultants (Dr Sue Foster & Dr Jody Braddock), help make TML Vetnostics your premier external veterinary pathology provider throughout Tasmania.

### American (ACVP) Boarded Anatomic Pathologists



**Dr John Mackie,**  
BVSc (Hons), PhD, FACVSc,  
DACVP



**Dr Jeanine Sandy**  
BVSc (Hons), PhD,  
MANZCVS, DACVP

### American (ACVP) Boarded Clinical Pathologists



**Dr Susan Boyd**  
BVSc, MANZCVS (Small  
Animal Medicine), Cert SAM,  
DACVP



**Dr Brett Stone**  
BVSc (Hons), B.BiomedSc (Hons),  
M.Phil, MANZCVS, DACVP

## DGGR Lipase

**A new lipase assay has been developed using a novel substrate which is more specific for pancreatic lipase than previous assays.**

The DGGR lipase activity has been found to have high agreement with the Spec cPL<sup>®</sup>. This agreement correlates with a higher sensitivity and specificity of DGGR lipase for diagnosis of acute pancreatitis in dogs.

There is highest agreement with spec cPL<sup>®</sup> results of >200 ug/L (the patient may have pancreatitis) and >400 ug/L (consistent with pancreatitis) with DGGR lipase results of >130 U/L and >190 U/L respectively.

TML Vetnostics exclusively uses a DGGR assay in the Brisbane central laboratory for determination of serum lipase.

To avoid delayed reporting of other biochemistry parameters (particularly in regional laboratories), amylase and lipase are now reported separately to the other biochemistry parameters.

As with all pancreatic blood tests, a high DGGR lipase does not exclude primary gastrointestinal disease or reduced renal clearance.

Reference: JVIM 2014;28:863-870.





## MedWay **Real-Time Results... Anytime, Anywhere**

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## **Determining feline immunodeficiency virus (FIV) infection status: not all point-of-care antibody kits are the same**

It was previously thought that the FIV infection status of FIV-vaccinated cats or cats with unknown vaccination history could not be accurately determined using point-of-care antibody test kits due to indistinguishable antibody production in FIV-vaccinated and naturally FIV-infected cats. Consequently, positive FIV antibody results then required FIV PCR to be performed in an attempt to differentiate FIV-infected from vaccinated cats.

In a recently published study assessing point-of-care FIV antibody test kits, of the three kits analysed, only the SNAP FIV/FelV Combo (IDEXX Laboratories) was unable to determine if antibodies detected were due to previous FIV vaccination, natural FIV infection, or both. Both of the other kits assessed (Witness FeLV/FIV & Anigen Rapid FIV/FelV) could reliably discern the true FIV infection status of cats, irrespective of FIV vaccination history.

Thus, there is an advantage in using either Witness FeLV/FIV or Anigen Rapid FIV/FelV over the SNAP FIV/FelV Combo (IDEXX Laboratories) for initial screening of FIV infection, particularly when vaccination history is unknown. A positive FIV antibody result using either of these two kits is therefore consistent with FIV infection and negates the need for further FIV PCR analysis. TML Vetnostics uses the Anigen Rapid FIV/FelV kit for FIV antibody and FeLV antigen testing.

Reference: Westman et al., Comp Immunol Microbiol Infect Dis. 2015 Oct;42:43-52.

## **TML Vetnostics CPD Program**

### **How Do I Participate?**

- Perform in-house cytology.
- Complete the TML Vetnostics CPD Program request form ensuring that you provide a detailed gross pathological and in-house cytological description together with a preferred diagnosis +/- a list of differential diagnoses (if appropriate).
- Submit cytology or histology specimen to TML Vetnostics.



## **Result Reporting Options**

After generating results for the various submissions received, it is obviously imperative to get results out to you as efficiently as possible. With this in mind, TML Vetnostics have multiple options available for reporting results.



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**Other delivery options** such as fax or direct email are available on request.

Please contact us at [enquiries@tmlpath.com.au](mailto:enquiries@tmlpath.com.au) if you would like to discuss these options further.

